



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/874,182	06/04/2001	Donald K. Wadley	10004412-1	5608

7590 07/01/2005

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

EBRAHIMI DEHKORDY, SAEID

ART UNIT	PAPER NUMBER
----------	--------------

2626

DATE MAILED: 07/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/874,182

Applicant(s)

WADLEY, DONALD K.

Examiner

Saeid Ebrahimi-dehKordy

Art Unit

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 February 2005.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 June 2001 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Response to Amendment

1. Applicant's arguments with respect to claim 1-32 have been considered but are moot in view of the new ground(s) of rejection.

Applicant has added the limitation of "monitoring one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be has been printed on the printer" However Takagi et al has taught the limitation as disclosed in the following office action.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim1-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kojima et al (U.S. patent 6,807,388) in view of Takagi et al (Pub. No.: US 20040223177)

Regarding claim 1 and 19 Kojima et al disclose: A method of operating a printer comprising: monitoring content of one or more documents that are to be printed on a printer (please note Fig.5 item 400, monitoring means, column 10 lines 10-13)) said monitoring taking place within a printer that is to print the one or more documents (please note Fig.5 item 400 column 10 lines 14-16) determining whether the monitored content is of interest to an organization of which the printer comprises a part (please

Art Unit: 2626

note Fig.5, column 10 lines 16-18 where the content of the document or data is being analyzed before sending the data to be printed) and generating a notification if the content is of interest to the organization (please note column 6 lines 60-67 and column 7 lines 1-15). However Kojima et al does not quite disclose: monitoring one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be has been printed on the printer. On the other hand Takagi et al disclose: monitoring one or more variables or parameters associated with the security of the printer (note Fig.5, page 3 paragraph 0064 where the user name and password have to be applied to able to get access to the private printing document lists, also note page 6 paragraph 0115 where the parameters of the management table 21g is set) wherein at least one of said variables or parameters is associated with I/O activities of data that is to be has been printed on the printer (note page 4 where the user name and password must be applied in order for the user to be able to begin printing or Out putting document or deleting it and the function of I/O activities). Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify Kojima et al's invention according to the teaching of Takagi et al, where Takagi et al in the same filed of endeavor teach the way the printer is prompting the users for the password and user name for enabling he user to access the private document and the way they would be printed or deleted for the purpose of securing the environment of the printing.

Regarding claim 2 Kojima et al disclose: The method of claim 1, wherein said monitoring comprises receiving and analyzing a data stream in the printer (please note

Art Unit: 2626

Fig.5 item 400, column 10 lines 10-13) the data stream pertaining to the one or more documents that are to be printed (please note column 10 lines 14-17).

Regarding claim 3 Kojima et al disclose: The method of claim 1, wherein said determining comprises ascertaining whether the content includes one or more keywords or phrases (please note column 6 lines 1-8).

Regarding claim 4 Kojima et al disclose: The method of claim 1, wherein said determining comprises ascertaining whether the content comprises a particular structure (please note column 6 lines 23-40).

Regarding claim 5 Kojima et al disclose: The method of claim 1, wherein said generating comprises generating a notification that includes at least a portion of the content that is of interest to the organization (please note column 6 lines 60-67 and column 7 lines 1-14).

Regarding claim 6 Kojima et al disclose: A method of operating a printer comprising: providing a context-analyzer within a printer (please note Fig.5 item 28 the printing information analyzer, column 10 lines 14-16) receiving a data stream into the printer (please note Fig.5 column 9 lines 56-67 and column 10 lines 1-9) the data stream representing a document that is to be printed by the printer (please note Fig.5 item 400, monitoring means, column 10 lines 10-13) providing a data stream to the context-analyzer (please note column 10 lines 10-23) and analyzing the provided data stream with the context-analyzer to ascertain one or more contexts associated with the data stream (please note column 10 lines 36-47). However Kojima et al does not quite disclose: monitoring one or more variables or parameters associated with the security of

Art Unit: 2626

the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be has been printed on the printer. On the other hand Takagi et al disclose: monitoring one or more variables or parameters associated with the security of the printer (note Fig.5, page 3 paragraph 0064 where the user name and password have to be applied to able to get access to the private printing document lists, also note page 6 paragraph 0115 where the parameters of the management table 21g is set) wherein at least one of said variables or parameters is associated with I/O activities of data that is to be has been printed on the printer (note page 4 where the user name and password must be applied in order for the user to be able to begin printing or Out putting document or deleting it and the function of I/O activities).

Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify Kojima et al's invention according to the teaching of Takagi et al, where Takagi et al in the same filed of endeavor teach the way the printer is prompting the users for the password and user name for enabling he user to access the private document and the way they would be printed or deleted for the purpose of securing the environment of the printing.

Regarding claim 7 Kojima et al disclose: The method of claim 6, wherein said providing of the context-analyzer comprises delivering the context-analyzer to the printer via a network (please note column 4 lines 59-64).

Regarding claim 8 Kojima et al disclose: The method of claim 6, wherein said providing of the context-analyzer comprises delivering the context-analyzer in the form

Art Unit: 2626

of an applet to the printer via a network (please note column 9 lines 56-67 and column 10 lines 1-10).

Regarding claim 9 Kojima et al disclose: The method of claim 6, wherein said analyzing comprises using a structure detector that is configured to analyze the data stream so that it can ascertain a structure associated with a document that is to be printed (please note column 10 lines 36-47).

Regarding claim 10 Kojima et al disclose: The method of claim 6, wherein said analyzing comprises using a keyword detector that is configured to analyze the data stream so that it can ascertain one or more keywords or phrases that appear in a document that is to be printed (please note column 7 lines 20-29).

Regarding claim 11 Kojima et al disclose: The method of claim 6 further comprising self-replicating the context-analyzer to other printers on a network (please note column 14 lines 41-51).

Regarding claim 12 Kojima et al disclose: The method of claim 1, said self-replicating comprises: seeking out other network printers; copying the context-analyzer; and providing at least one copy of the context-analyzer to the other network printers (please note column 12 lines 47-67 and column 13 lines 1-10).

Regarding claim 13 Kojima et al disclose: The method of claim 6 further comprising reporting on the context of the data stream (please note column 6 lines 60-67).

Regarding claim 14 Kojima et al disclose: The method of claim 13, wherein said reporting comprises reporting context information to a computing entity (please note column 6 lines 60-67 and column 7 lines 1-14).

Regarding claim 15 Kojima et al disclose: A method of operating a printer comprising: defining a document profile (please note Fig.5, column 9 lines 56-65 where the received data is analyzed in command analyzer 22 one by one and therefore making a profile of the data) programming a context-analyzer with the document profile (please note column 9 lines 65-67 and column 10 lines 1-3) providing the context-analyzer within a printer (please note Fig.5 item 22, column 9 lines 56-67 and column 10 lines 1-10) receiving a data stream with the context-analyzer (please note column 9 lines 56-63) the data stream being associated with a document that is to be printed by the printer (please note column 10 lines 14-19) analyzing the data stream with the context-analyzer (please note column 10 lines 14-16) and determining whether the data stream meets the document profile within some degree of certainty (please note column 9 lines 56-67 and column 10 lines 1-24). However Kojima et al does not quite disclose: monitoring one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be has been printed on the printer. On the other hand Takagi et al disclose: monitoring one or more variables or parameters associated with the security of the printer (note Fig.5, page 3 paragraph 0064 where the user name and password have to be applied to able to get access to the private printing document lists, also note page 6 paragraph 0115 where the parameters of the management table 21g

Art Unit: 2626

is set) wherein at least one of said variables or parameters is associated with I/O activities of data that is to be has been printed on the printer (note page 4 where the user name and password must be applied in order for the user to be able to begin printing or Out putting document or deleting it and the function of I/O activities).

Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify Kojima et al's invention according to the teaching of Takagi et al where Takagi et al in the same filed of endeavor teach the way the printer is prompting the users for the password and user name for enabling he user to access the private document and the way they would be printed or deleted for the purpose of securing the environment of the printing.

Regarding claim 16 Kojima et al disclose: The method of claim 15, further comprising generating a notification if the document profile is met (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 17 Kojima et al disclose: The method of claim 15, wherein said programming occurs after said providing (please note column 9 lines 56-67)

Regarding claim 18 Kojima et al disclose: The method of claim 15, wherein said defining of the document profile comprises doing so using one or more keywords or phrases (please note column 7 lines 20-29).

Regarding claim 20 Kojima et al disclose: The computer-readable media of claim 19, wherein the instructions cause the printer to determine whether the content is of interest by comparing document content with one or more defined profiles that describe

Art Unit: 2626

information that is of interest to the organization (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 21,25 and 30 Kojima et al disclose: An apparatus comprising: at least one printer (please note Figs.1 and 5 items 1 and 2 compute and printer respectively) and a context-analyzer resident in said at least one printer (please note Fig.5 item 22 the command analyzer, column 9 lines 56-67) and configured to monitor content of one or more documents that are to be printed on the printer (please note column 10 lines 10-24) and determine whether the content is of interest to an organization of which the printer comprises a part (please note Fig.5, column 10 lines 16-18 where the content of the document or data is being analyzed before sending the data to be printed). However Kojima et al does not quite disclose: a printer monitor associated with said at least one printer and configured to monitor one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be has been printed on the printer. On the other hand Takagi et al disclose: a printer monitor associated with said at least one printer (note Fig.4 page 3 paragraph 0058 where the display or monitor is set to monitor the private scan and private printing) and configured to monitor one or more variables or parameters associated with the security of the printer (note Fig.5, page 3 paragraph 0064 where the user name and password have to be applied to able to get access to the private printing document lists, also note page 6 paragraph 0115 where the parameters of the management table 21g is set) wherein at least one of said variables or parameters is associated with I/O activities of data that is

Art Unit: 2626

to be has been printed on the printer (note page 4 where the user name and password must be applied in order for the user to be able to begin printing or Out putting document or deleting it and the function of I/O activities). Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify Kojima et al's invention according to the teaching of Takagi et al, where Takagi et al in the same filed of endeavor teach the way the printer is prompting the users for the password and user name for enabling he user to access the private document and the way they would be printed or deleted for the purpose of securing the environment of the printing.

Regarding claim 22 Kojima et al disclose: The apparatus of claim 21, wherein the context-analyzer is configured to generate a notification if the content is of interest to the organization (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 23 Kojima et al disclose: The apparatus of claim 21, wherein the context-analyzer is configured to self-replicate itself to other printers across a network to which the at least one printer has access (please note column 13 lines 12-21).

Regarding claim 24 Kojima et al disclose: The apparatus of claim 21 further comprising: at least one other printer having a context-analyzer; and a network configured to establish a communication link between the printers (please note column 13 lines 41-49).

Regarding claim 26 Kojima et al disclose: The apparatus of claim 25, wherein the context-analyzer is configured to analyze the data stream by using a structure detector to detect a structure of a document that is to be printed (please note column 10 lines 36-47).

Art Unit: 2626

Regarding claim 27 Kojima et al disclose: The apparatus of claim 25, wherein the context-analyzer is configured to analyze the data stream by using a keyword detector that is configured to analyze a data stream so that it can ascertain one or more keywords or phrases that appear in a document that is to be printed (please note column 7 lines 20-29).

Regarding claim 28 Kojima et al disclose: The apparatus of claim 25 further comprising: at least one other printer having a context-analyzer; and a network configured to establish a communication link between the printers (please note column 13 lines 11-21).

Regarding claim 29 Kojima et al disclose: The apparatus of claim 28, wherein said context-analyzer is configured to self-replicate itself to other printers on the network (please note column 13 lines 12-21).

Regarding claim 31 Kojima et al disclose: The architecture of claim 30, wherein the context-analyzers are configured to generate a notification based on the context of a data stream (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 32 Kojima et al disclose: The architecture of claim 30, wherein the context-analyzers are configured to analyze the data stream by comparing content of the data stream with one or more profiles defining information of interest (please note column 6 lines 60-67 and column 7 lines 1-15).

Conclusion

Art Unit: 2626

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Contact Information

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (571) 272-7462.

The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (571) 272-7471.

Any response to this action should be mailed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

Or faxed to:

Art Unit: 2626

(571) 273-8300, (for **formal** communications; please mark
"EXPEDITED PROCEDURE")

Or:

(703) 306-5406 (for **informal** or **draft** communications, please label
"PROPOSED" or "DRAFT")

Hand delivered responses should be brought to Knox building on 501 Dulany
Street, Alexandria, VA.

Any inquiry of a general nature or relating to the status of this application should be
directed to the Group Receptionist whose telephone number is (703) 305-4750.

Saeid Ebrahimi-Dehkordy
Patent Examiner
Group Art Unit 2626
June 21, 2005


KIMBERLY WILLIAMS
SUPERVISORY PATENT EXAMINER